

MAY 01 2009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Simone Angiolini Examiner: KUNEMUND, Robert
Serial No. 10/552,199 Group Art Unit: 1792
Filed: October 6, 2005 Docket No. 01028US01
Title: OPTICAL FILMS COMPRISING ONE OR MORE POLYARYLATES
OBTAINED FROM SPECIFIC PHENOLIC MOLECULES

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION OF THE ATTORNEY OF RECORD UNDER 37 C.F.R. 1.132

This Declaration of Mark A. Litman, the attorney of record, accompanies a communication filed in response to the Office Action mailed on January 8, 2009. There are no amendments to the claims or specification.

A Petition for extension of time accompanies this Declaration and Amendment.

Authorization is hereby given to charge any additional fees or credit any overpayments that may be deemed necessary to Deposit Account Number 50-1391.

Declaration

I, Mark A. Litman, do state and declare as follows:

1) I am the Mark A. Litman, Attorney's Registration No. 26,390 who is the attorney of record in the above identified application, herein the "Present Angiolini Application."

2) I have consulted with publicly available records and Patent liaison in Savonna, Italy to obtain the information stated and declared by me in this Declaration, and I have reviewed the file wrapper of original documents in my possession.

3) I believe the information stated and declared by me in this Declaration obtained from patent liaison and the assignee (Ferrania Technologies, S.p.A. or Ferrania S.p.A, its predecessor in name) to be reliable and accurate, as I have worked with this company and its predecessor companies for more than thirty (30) years.

4) I believe that the inventorship identified in both US Patent No. 6,632,212 or EP 1,205,772 (collectively and individually referred to herein as the Angiolini et al. Patent(s)) to Ferrania Technologies, S.p.A. is correct, and that there were four co-inventors on the subject matter claimed.

5) I believe that the two named inventors (all of the inventors) in the Present Angiolini Application and the Angioline Patents are correctly named and identified as less than all of the four inventors in the Angiolini et al. Patents, and that all four inventors in the Angiolini et al. Patents and the two common in the present application inventors to that group of four inventors were employed by Ferrania Technologies, S.p.A. (or its legal predecessors) at the time of the inventions described therein and at the time of the filing of the applications resulting in the Present Angiolini Application and the Angiolini Patents.

6) Based on information and belief, I believe that the subject matter of the Present Angiolini Application that is included, but not claimed in the Angiolini Patents was invented by the inventors named in the Present Angiolini Application prior to the available reference date of the Angiolini Patents, Simone Angiolini and Mauro Adidano. That subject matter claimed in the present Application was disclosed, but not claimed in the Angiolini Patents.

7) As US Patent Counsel, I reviewed the drafting and filing of the application that resulted in US Patent No. 6,632,212 prior to its filing in the United States, I had copies of that application and drafts thereto prior to its filing, and those drafts contained the subject matter of the Present Angiolini Application that is included, but not claimed in the Angiolini Patents.

8) As part of my regular practice in filing U.S. Patent Applications, I either personally (or through local corporate patent counsel) make a determination of inventorship for **claimed** subject matter when filing U.S. Patent Applications, and in this present Application, in filing the PCT application with named inventors. It was the joint determination of local corporate patent counsel (Roberto Allaix) and myself that the subject matter of the present application was the invention of only the two named inventors, Simone Angiolini and Mauro Adidano, and not the entire set of four inventors named in the Angiolini Patents.

9) To that end, the present application was intentionally filed as a legal decision made by counsel, with less than all inventors from the Angiolini Patents, naming only those two inventors, Simone Angiolini and Mauro Adidano, determined to be the inventors of the claimed subject matter of the present application. Upon review of the previously allowed claims and the claims presently pending in the present application, that decision is reaffirmed.

10) The application filed in the U.S. that issued as U.S. Patent No. 6,632,886 was U.S. Serial No. 09/829,530, which was published as US Publication No. 2002/0091200, the second reference used in a rejection under 35 U.S.C. 103(a). All statements made

herein are also applicable to the Published application and are effective against that reference also.

11) As a result of these declared facts, I, Mark A. Litman believe that the Angiolini Patents and Angiolini Published US Application Document are not available as prior art against the Present Angiolini Application and the rejection under 35 USC 103(a) must be withdrawn.

Signed this 1st Day of May 2009



Mark A. Litman
Registration No. 26,390

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
21 October 2004 (21.10.2004)

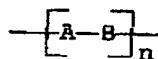
PCT

(10) International Publication Number
WO 2004/090585 A1

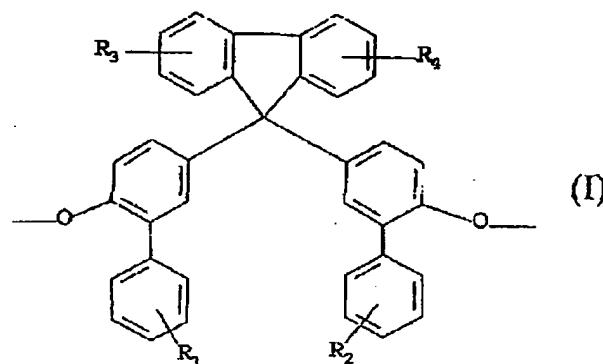
- (51) International Patent Classification⁷: G02B 1/04, C08G 6/3193
- (21) International Application Number: PCT/EP2004/003580
- (22) International Filing Date: 5 April 2004 (05.04.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: SV2003A000019 11 April 2003 (11.04.2003) IT
- (71) Applicant (for all designated States except US): FERRANIA S.P.A., Viale della Libertà, 57, I-17014 Ferrania/Cairo Montenotte (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ANGIOLINI, Simone [IT/IT]; Ferrania S.p.A., Viale della Libertà, 57.
- (74) Agent: ALLAIX, Roberto; Ferrania S.p.A., Intellectual Property Department, Via Della Libertà, 57, I-17014 Ferrania/Cairo Montenotte (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SI, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GI),

[Continued on next page]

(54) Title: OPTICAL FILMS COMPRISING ONE OR MORE POLARYLATES OBTAINED FROM SPECIFIC PHENOLIC MOLECULES

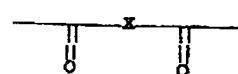


(A)



(I)

(57) Abstract: The present invention refers to an optical film comprising one or more polyarylates represented by the general structure: (a) where A represents one or more different bisphenolfluorene units having general formula (I): where R₁ and R₂ represent an hydrogen atom, an alkyl group, a halogen, an alkoxy group, an acyl group, a phenyl group or a nitrile group; R₃ and R₄ represent a hydrogen atom, an alkyl group, a halogen, an alkoxy group, an acyl group, a phenyl group, a nitro group, or a nitrile group; B represents one or more different dicarboxy groups having the formula (II): wherein X is a divalent hydrocarbon group having from 1 to 20 carbon atoms, and n is the number of the repeating units which build up the polymer and is a positive integer higher than 20. The optical film of the present invention has excellent mechanical and thermal properties, a high Tg and is not subject to yellowing upon exposure to light sources.



(II)

WO 2004/090585 A1



US 20060257512A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2006/0257512 A1
Angiolini et al. (43) Pub. Date: Nov. 16, 2006

(54) OPTICAL FILMS COMPRISING ONE OR MORE POLYARYLATES OBTAINED FROM SPECIFIC PHENOLIC MOLECULES

(76) Inventors: Simone Angiolini, Montenotte (IT); Mauro Adildano, Montenotte (IT)

Correspondence Address:
 Mark A Litman & Associates
 York Business Center
 Suite 205
 3209 W 76th Street
 Edina, MN 55435 (US)

(21) Appl. No.: 10/552,199

(22) PCT Filed: Apr. 5, 2004

(86) PCT No.: PCT/EP04/03580

(30) Foreign Application Priority Data

Apr. 11, 2003 (IT) SV2003A000019

Publication Classification

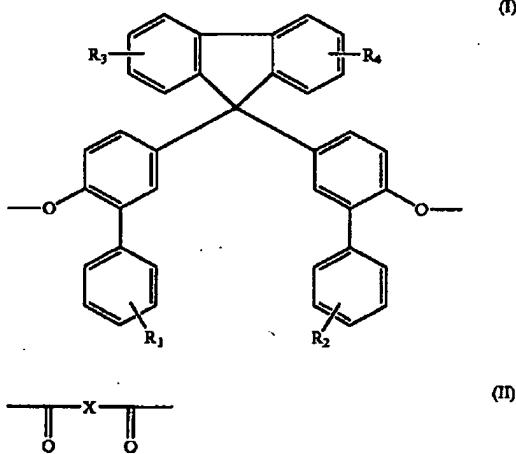
(51) Int. CL
B29C 35/00 (2006.01)

(52) U.S. Cl. 425/45

(57) ABSTRACT

The present invention refers to an optical film comprising one or more polyarylates represented by the general structure: (a) where A represents one or more different bisphenolfluorene units having general formula (I): where R₁ and

R₂ represent an hydrogen atom, an alkyl group, a halogen, an alkoxy group, an acyl group, a phenyl group or a nitrile group; R₃, and R₄, represent a hydrogen atom, an alkyl group, a halogen, an alkoxy group, an acyl group, a phenyl group, a nitro group, or a nitrile group; B represents one or more different dicarboxy groups having the formula (II): wherein X is a divalent hydrocarbon group having from 1 to 20 carbon atoms, and n is the number of the repeating units which build up the polymer and is a positive integer higher than 20. The optical film of the present invention has excellent mechanical and thermal properties, a high Tg and is not subject to yellowing upon exposure to light sources.





US 20020091200A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2002/0091200 A1
Angiolini et al. (43) Pub. Date: Jul. 11, 2002

(54) OPTICAL FILM COMPRISING POLYARYLATES CONTAINING BIS-(HYDROXYPHENYL)-FLUORENE-ORTHO-DISUBSTITUTED BISPHENOLS

wherein A represents one or more different bisphenolfluorene radicals having the general formula (I):

(75) Inventors: Simone Angiolini, Genova (IT); Mauro Avidano, Asti (IT); Paolo Salvarani, Savona (IT); Roberto Bracco, Savona (IT)

Correspondence Address:
 MARK A: LITMAN & ASSOCIATES
 York Business Center, Suite 205
 3209 West 76th Street
 Edina, MN 55435 (US)

(73) Assignee: FERRANIA S.p.A.

(21) Appl. No.: 09/829,530

(22) Filed: Apr. 10, 2001

(30) Foreign Application Priority Data

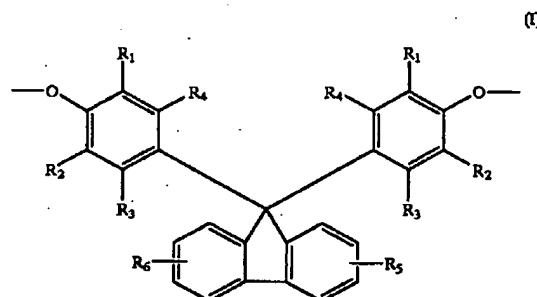
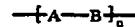
Nov. 14, 2000 (IT) SV2000A000053

Publication Classification

(51) Int. Cl.⁷ C08L 27/12; C08F 283/02;
C08G 73/24(52) U.S. Cl. 525/199; 525/153; 525/328.6;
525/330.7; 525/534; 525/539;
528/125; 528/176; 528/191;
528/401; 428/421; 428/423.7

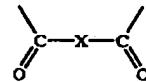
(57) ABSTRACT

The present invention refers to an optical film comprising one or more polyarylates having at least some units represented by the general structure:



wherein R₁ and R₂ independently represent an alkyl group, a halogen, an alkoxy group, an acyl group, a phenyl group or a nitrile group, with the proviso that R₁ and R₂ are not both an alkyl group; R₃, R₄, R₅ and R₆ represent a hydrogen atom, an alkyl group, a halogen, an alkoxy group, an acyl group, a phenyl group, a nitro group, or a nitrile group;

B represents one or more different dicarboxy radicals having the formula:



wherein X is a divalent hydrocarbon group having from 1 to 20 carbon atoms, and n is the number of the repeating units which build up the polymer and is a positive integer higher than 20.

The optical film of the present invention has excellent mechanical and thermal properties, a high Tg and does not readily yellow upon exposure to light.



(12) **United States Patent**
Angiolini et al.

(10) Patent No.: **US 6,632,886 B2**
(45) Date of Patent: **Oct. 14, 2003**

(54) **OPTICAL FILM COMPRISING POLYARYLATES CONTAINING BIS-(HYDROXYPHENYL)-FLUORENE-ORTHO-DISUBSTITUTED BISPHENOLS**

(75) Inventors: Simone Angiolini, Genoa (IT); Mauro Avdano, Asti (IT); Paolo Salvarani, Savona (IT); Roberto Bracco, Savona (IT)

(73) Assignee: Ferrania, S.p.A., Savona (IT)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/829,530

(22) Filed: Apr. 10, 2001

(65) **Prior Publication Data**

US 2002/0091200 A1 Jul. 11, 2002

(30) **Foreign Application Priority Data**

Nov. 14, 2000 (IT) SV2000A0053

(51) Int. Cl.⁷ C08L 27/12; C08F 283/02; C08G 73/24

(52) U.S. Cl. 525/199; 525/153; 525/328.6; 525/330.7; 525/534; 525/539; 528/125; 528/176; 528/191; 528/401; 428/421; 428/423.7

(58) Field of Search 525/199, 153, 525/328.6, 330.7, 534, 539; 528/125, 176, 191, 401; 428/421, 423.7

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,810,771 A	3/1989	Teramoto et al.
5,007,945 A	4/1991	Tien et al.
5,232,471 A	8/1993	Chen et al. 55/16

FOREIGN PATENT DOCUMENTS

EP	0943640	9/1999
EP	0 943 640 A1	9/1999 C08G/63/193
WO	0033949	6/2000

OTHER PUBLICATIONS

Abstract of Japanese Patent JP 09071640-A. Journal of Applied Polymer Science, vol. 29, pp. 35-43; (1984).

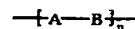
Primary Examiner—Duc Truong

(74) Attorney, Agent, or Firm—Mark A. Litman & Assoc. P.A.

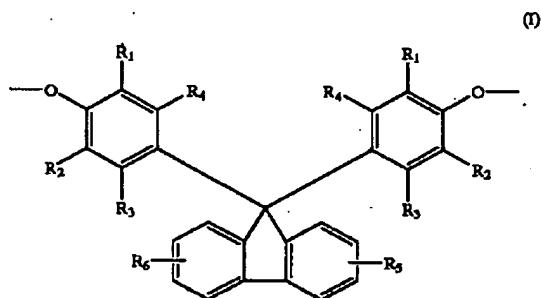
(57)

ABSTRACT

The present invention refers to an optical film comprising one or more polyarylates having at least some units represented by the general structure:

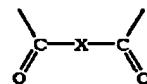


wherein A represents one or more different bisphenolfluorene radicals having the general formula (I):



wherein R₁ and R₂ independently represent an alkyl group, a halogen, an alkoxy group, an acyl group, a phenyl group or a nitrile group, with the proviso that R₁ and R₂ are not both an alkyl group; R₃, R₄, R₅ and R₆ represent a hydrogen atom, an alkyl group, a halogen, an alkoxy group, an acyl group, a phenyl group, a nitro group, or a nitrile group;

B represents one or more different dicarboxy radicals having the formula:



wherein X is a divalent hydrocarbon group having from 1 to 20 carbon atoms, and n is the number of the repeating units which build up the polymer and is a positive integer higher than 20.

The optical film of the present invention has excellent mechanical and thermal properties, a high Tg and does not readily yellow upon exposure to light.

25 Claims, No Drawings